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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/709,316

04/28/2004

Jon Zan Scoot

001300

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29569

7590

02/14/2006

JEFFREY FURR
253 N. MAIN STREET
JOHNSTOWN, OH 43031

EXAMINER

FIELD, LINDA PENA

ART UNIT

PAPER NUMBER

2855

DATE MAILED: 02/14/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

H.A

Office Action Summary	Application No. 10/709,316	Applicant(s) SCOOT, JON ZAN	
	Examiner Linda P. Field	Art Unit 2855	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 28 December 2005.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-24 is/are pending in the application.
- 4a) Of the above claim(s) 1-20 is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 21-24 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 4/28/2004 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date: _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date: _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Remarks

1. Claims 1-20 have been cancelled and as a result the rejections made in the Office Action mailed on September 28, 2005 are moot.

Drawings

2. The drawings are objected to under 37 CFR 1.83(a) because they fail to show "the arms 2" as described in the specification for figure 2. Any structural detail that is essential for a proper understanding of the disclosed invention should be shown in the drawing. MPEP § 608.02(d). Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The figure or figure number of an amended drawing should not be labeled as "amended." If a drawing figure is to be canceled, the appropriate figure must be removed from the replacement sheet, and where necessary, the remaining figures must be renumbered and appropriate changes made to the brief description of the several views of the drawings for consistency. Additional replacement sheets may be necessary to show the renumbering of the remaining figures. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required

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corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. Claims 21-24 are rejected under 35 U.S.C. 102(b) as being anticipated by Ormond (3680372). With respect to Claim 21, Ormond teaches a load cell (integral body 19, Figure 1); with a shear measurement section (shear plate 21, Figure 4), with material being removed to form a plurality of slots (cuts 22, 24, 23 and 25, Figure 4); with two or more slots on either side of said shear measurement section which increases deformation points (cuts 22, 24, 23 and 25, Figure 4), where said slots are connected to a hole within said load cell (cuts 22, 24, 23 and 25 have a hole within the load cell as seen in Figure 4) and are used to equalize stress at deformation points (the cutouts provide improvement in load transfer and thereby equalize the stress at various points, Column 4, lines 15-20), where said shear measurement section is a gage hole (shear plate 21 is a gage hole as seen in Figure 4), where strain gages are located in said shear measurement section (H1 and V1 are strain gages located in the shear measurement section, Figures 3 and 4), where there are two slots above said shear measurement section and two slots below said shear measurement section (Figures 3 and 4 have the two slots, 24 and 25,

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above the shear measurement section 21 and two slots, 22 and 23, below the shear measurement section).

4. With respect to Claim 22, Ormond teaches A device as in claim 21 where said load cell is in the shape of a double S (Figures 3 and 4 illustrate the load cell in the shape of a double S).

5. With respect to Claim 23, Ormond teaches a load cell (integral body 19, Figure 1); with a shear measurement section (shear plate 21, Figure 4),

with material being removed to form a plurality of slots (cuts 22, 24, 23 and 25, Figure 4); with two or more slots on either side of said shear measurement section which increases deformation points (cuts 22, 24, 23 and 25, Figure 4),

where said slots are connected to a hole within said load cell (cuts 22, 24, 23 and 25 have a hole within the load cell as seen in Figure 4) and are used to equalize stress at deformation points (the cutouts provide improvement in load transfer and thereby equalize the stress at various points, Column 4, lines 15-20), where said shear measurement section is a gage hole (shear plate 21 is a gage hole as seen in Figure 4),

where strain gages are located in said shear measurement section (H1 and V1 are strain gages located in the shear measurement section, Figures 3 and 4),

where there are two slots above said shear measurement section and two slots below said shear measurement section (Figures 3 and 4 has the two slots, 24 and 25, above the shear measurement section 21 and two slots, 22 and 23, below the shear measurement section).

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6. With respect to Claim 24, Ormond teaches a device as in claim 23 where said load cell is in the shape of a double S (Figures 3 and 4 illustrate the load cell in the shape of a double S).

Conclusion

7. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Linda P. Field whose telephone number is 571-272-6001. The examiner can normally be reached on 7:30-4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Edward Lefkowitz can be reached on 571-272-2180. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

LPF



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